Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/27/2020 09:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126917	1	3.21	126956	3.21
Blue	F	SSC	125000	125428	0	1.69	126152	1.65
Blue	E	FITC	15892	15464	-3	2.91	335	21.80
Blue	D	PE	29999	29471	-2	2.01	640	15.68
Blue	B	PerCP-Cy5-5	43732	43821	0	3.90	1172	21.94
Blue	A	PE-Cy7	30845	31597	2	6.58	593	45.43
Red	C	APC	46112	44804	-3	2.39	1585	12.12
Red	A	APC-Cy7	30458	29659	-3	2.36	784	12.02
Violet	B	V450	7918	7547	-5	4.21	424	12.46
Violet	A	V500	32171	31160	-4	3.96	727	10.34

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17344	18.97	661	40	N/A	N/A	Pass
Blue	F	SSC	57190	1.20	591	32	N/A	N/A	Pass
Blue	E	FITC	62	64.02	557	14	0.0157	43	Pass
Blue	D	PE	134	53.06	564	16	0.1431	274	Pass
Blue	B	PerCP-Cy5-5	213	54.00	674	18	0.0078	54	Pass
Blue	A	PE-Cy7	107	117.05	722	24	0.0090	23	Pass
Red	C	APC	378	25.40	589	5	0.0245	161	Pass
Red	A	APC-Cy7	173	29.25	562	6	0.0056	1133	Pass
Violet	B	V450	64	55.87	465	7	0.0574	1891	Pass
Violet	A	V500	108	31.95	481	7	0.0229	527	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.82	-32.54	0.94
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	14.82	13.60 - 20.40	N/A	N/A	29.98	30.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9679

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments